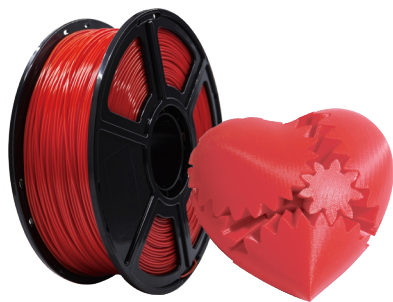# PLA Basic

Easy to print | Reliable | Safe

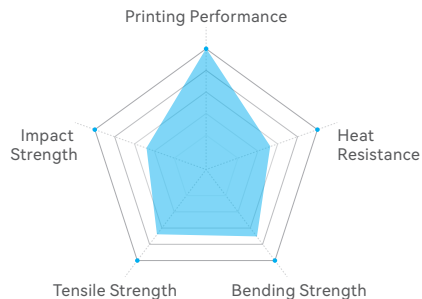Flashforge's PLA is an easy-to-use, stable, 3D printing filament, suitable for all major FFF 3D printers.

Produced with high-quality raw materials, our product has improvedon the tenacity and printing smoothness through formula adjustments and process control.

Color

Standard Series

⚪ ⚫ 🔴 ⚫ 🟡 🟢 🟠 🟡

Transparent Series

⚪

Printing Performance
Impact Strength
Heat Resistance
Tensile Strength
Bending Strength

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
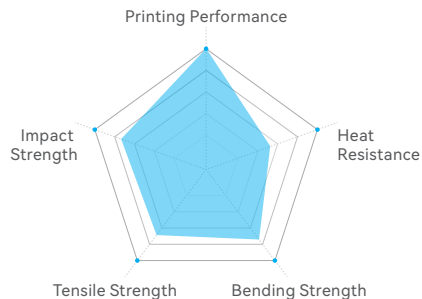**On**

Filament diameter
1.75mm

PLA Pro

High tenacity | Easy to print | Neat arrangement

Flashforge's PLA Pro is a high-tenacity, easy-to-use, stable, 3D printing filament, suitable for all major 3D printers.

PLA Pro has excellent tenacity, and the notched impact strength more than 6 times that of the raw material, and can be used to print general models as well as functional models that require a certain level of mechanical strength.

PLA Pro filament can be 100% neatly arranged, preventing the filament from tangling, and ensuring smoother filament feeding during printing.

Color

Standard Series
● ○

Radar chart
- Printing Performance
- Heat Resistance
- Bending Strength
- Tensile Strength
- Impact Strength

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
**On**

Filament diameter
1.75mm

PETG Basic

Safe ｜ Temperature resistant ｜ High glossy

Flashforge's PETG is a reliable and easy-to-use 3D printing filament with balanced mechanical and thermal properties. Its printing performance is as good as PLA filament, and its performance is as strong as ABS filament.

Color

Standard Series

Printing Performance

Impact Strength

Heat Resistance

Tensile Strength

Bending Strength
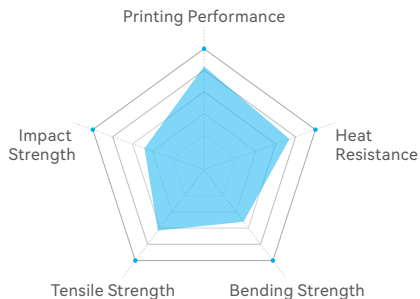
Extruder temperature
220~270℃

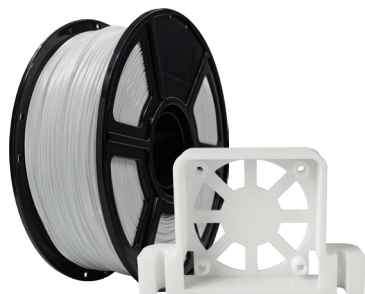**Platform temperature**
70~80℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
Off

Filament diameter
1.75mm

ABS Basic

High toughness ｜ High impact resistance ｜ Excellent temperature resistance ｜ Chemical resistance

Flashforge's ABS is a very cost-effective 3D printing filament, characterized by excellent tenacity and temperature resistance.

Color

Standard Series

● ○

Extruder temperature
220~260℃

Platform temperature
100~110℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
Off

Filament diameter
1.75mm

- Printing Performance
- Heat Resistance
- Bending Strength
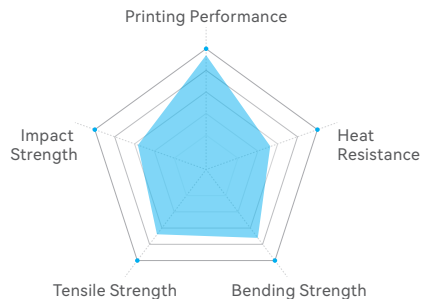- Tensile Strength
- Impact Strength
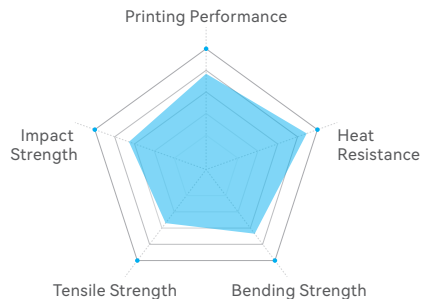
PLA Silk

High gloss | Easy to print | High speed

Flashforge's PLA Silk is a high-gloss, easy-to-use PLA filament, suitable for all major FFF 3D printers. However, the surface glossiness decreases when printed at high speeds.

Models printed with PLA Silk have a silk-like, highly glossy surface.

Color

Standard Series

Printing Performance

Impact Strength

Heat Resistance

Tensile Strength

Bending Strength

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~300mm/s
(High speed requires high temperature.)

Cooling fan
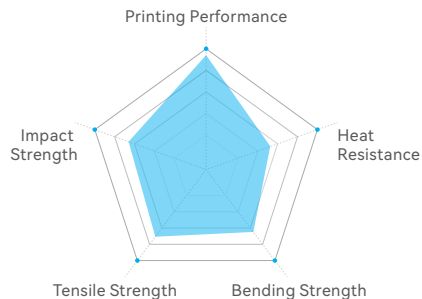**On**

Filament diameter
1.75mm

PLA Matte

Matte texture ｜ Easy to print ｜ Less layer lines

Flashforge's PLA Matte is a reliable and easy-to-use 3D printing filament offering matte finish and less layer lines, suitable for various major 3D printers.

Produced with high-quality PLA material, our product has improved on the tenacity and fluidity through formula adjustments and process control.

It is as easy to use as PLA filament.

Color

Standard Series

○ ●

Printing Performance / **Heat Resistance** / **Bending Strength** / **Tensile Strength** / **Impact Strength**

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~300mm/s
(High speed requires high temperature.)

Cooling fan
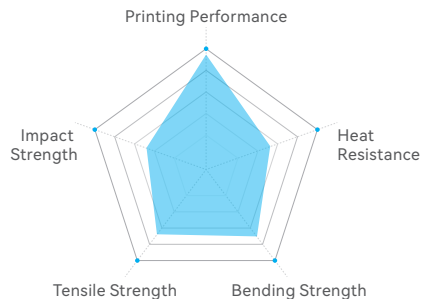**On**

Filament diameter
1.75mm

PLA Galaxy

Sparkle | Easy to print | Not visible layer lines

Flashforge's PLA Galaxy is further developed based on PLA filament, suitable for all major 3D printers.

PLA Galaxy retains all the advantages of PLA filament. With the addition of silver sparkles, models printed with PLA Galaxy exhibit a sparkling starry effect, which makes layer lines less noticeable.
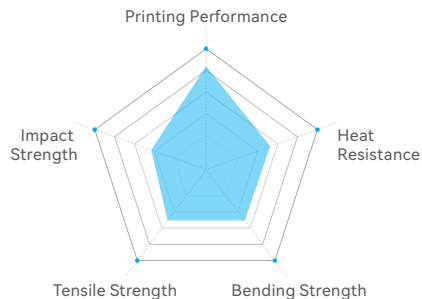
Color

Standard Series

Printing Performance
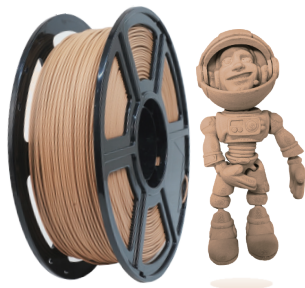Impact Strength
Heat Resistance
Tensile Strength
Bending Strength

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
On

Filament diameter
1.75mm

PLA Wood

Easy to print | Wood-like effect | Low density

Flashforge's PLA Wood is a 3D printing filament produced with PLA and wood powder, suitable for all major FFF 3D printers.

Through formula adjustments and process control, it mitigates clogging issues caused by wood powder expansion during use. During printing, it emits a burnt wood smell. With 20% added wood powder, the filament has a lower density.

The raw materials we use are fully biodegradable, meeting environmental and safety requirements.

Color

Standard Series

⬤

Radar chart axes:
- Printing Performance
- Heat Resistance
- Bending Strength
- Tensile Strength
- Impact Strength

Specifications

Extruder temperature
180~220℃

Platform temperature
25~60℃

Print speed
40~60mm/s
(High speed requires high temperature.)

Cooling fan
On

Filament diameter
1.75mm

PLA-CF

Carbon fiber reinforced | High strength | High stiffness

Flashforge's PLA-CF is a 3D printing filament produced with PLA and carbon fiber, suitable for various major FFF 3D printers.

PLA-CF filament is as easy to use as normal PLA filament. By adding carbon fiber, the strength of the material is improved. The model printed with this filament has certain mechanical properties.

Color

Standard Series

●

Printing Performance
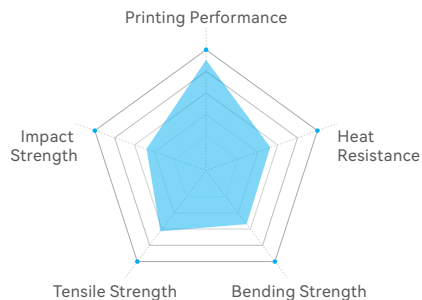
Impact Strength

Heat Resistance

Tensile Strength

Bending Strength
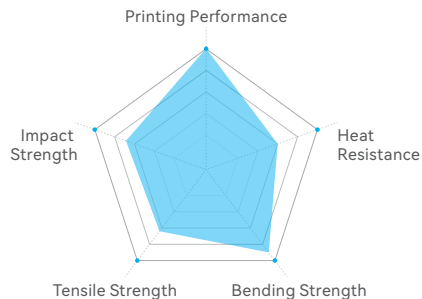
Extruder temperature
200~240℃

Platform temperature
25~60℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
On

Filament diameter
1.75mm

PLA Metal

Metallic texture │ Easy to print

Flashforge's Metal Filled filament is a 3D printing filament produced with PLA and metal powder as main raw materials, suitable for various major FFF 3D printers.

Through formula adjustments and process control, it adopts 0 .023mm surface activated metal powder, which enhances the dispersion effect of metal powder and solves the clogging problem caused by metal powder deposited in the nozzle during the use of filaments.

The printed model has metallic finish and luster, and amazing results can be achieved after further polishing and post-processing.

Color

Standard Series

Extruder temperature
180~220℃

Platform temperature
25~60℃

Print speed
40~60mm/s
(High speed requires high temperature.)

Cooling fan
On

Filament diameter
1.75mm

Printing Performance

Impact Strength

Heat Resistance

Tensile Strength

Bending Strength

PLA Multicolor

Color-changing ｜ Easy to print

Flashforge's PLA Multicolor, further developed based on PLA filament, is suitable for all major 3D printers and supports high-speed printing. PLA Multicolor retains all the advantages of PLA filament.

With the addition of chameleon powder, models printed with PLA Multicolor display shifting colors from different angles.
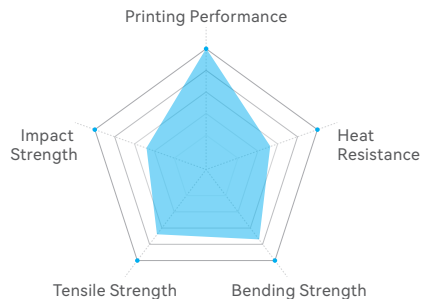
Color

Standard Series

Extruder temperature
190~240℃

Platform temperature
25~60℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
On

Filament diameter
1.75mm

Printing Performance

- Impact Strength
- Heat Resistance
- Tensile Strength
- Bending Strength

PC

High toughness ｜ High strength ｜ Heat-resistant and light-transmitting ｜ Good flame retardancy and insulation

Flashforge's PC is an affordable, reliable and easy-to-use 3D printing filament. Our product has improved on the shrinkage and fluidity through formula adjustments and process control. The printed model is not easy to warp, and has good layer adhesion.

The material itself has excellent heat resistance, and thus the printed model can be used for a long time in the environment above 100℃.

Color

Standard Series

Printing Performance
Heat Resistance
Bending Strength
Tensile Strength
Impact Strength
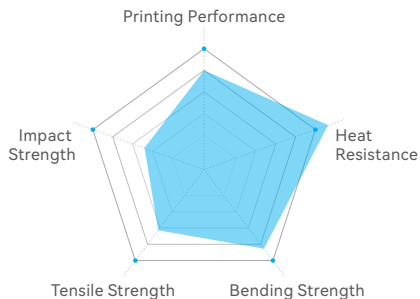
Extruder temperature
240~270℃

Platform temperature
100~120℃

Print speed
40~250mm/s
(High speed requires high temperature.)

Cooling fan
Off

Filament diameter
1.75mm